B.S. Concentration in Neuroscience
Interdisciplinary Major: Biology and Psychology

Required courses:
- BIO 011* and 012 8 cr
- PSY 001 4
- NERU 001* and 002*: Introduction to Neuroscience 6
- BIO 142 Neurobiology* 3
- BIO 146 Neurobiology lab* 1
- PSY 170* Clinical Neuroscience or 177* Behavioral Neuroscience 3
- BIO 100* or PSY 040* 4

Research:
  - **Bio track:** *BIO 015, then either 090 and 091, or 093* and 094* (honors) 8
  - OR
  - **Psych track:** PSY 141* and 194*

8 credits of Biology or Psychology elective chosen from:
- BIO 117*, 121* 145*, 153*, 163 (Animal Communication)
- PSY 166*, 170*, 177*, Psychopharmacology*

*Total required* 45

See back for prerequisite notes.

Cognates
- CHEM 003 and 004 8
- PHYSICS 001 or 011 and 002 or 012 8-10

**Total credits**
- Neuroscience 45
- Cognates 16-18
- WSC 6
- Distribution (1LT, 1 AA or CP, 1 BH, 1HP 1 Math) 16

**Elective**
- (note total number of Liberal Arts credits outside of PSY or BIO or NEUR must be at least 60) 39-41

No foreign language requirement
Tentative sample schedule. Courses with asterisks have prerequisites that must be completed before taking them (see details on next page). The semesters in which you take your Humanities and Social Science distribution courses and your other liberal arts credits can be more flexible than the courses for the major.

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<td>BIO 012</td>
<td>4</td>
<td>NEUR 001*</td>
<td>3</td>
<td>BIO 142*</td>
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<td>BIO 090/093* or PSY 141*</td>
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<td>CHEM 003 A &amp; B</td>
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<td>PHYSICS 001 or 011</td>
<td>4-5</td>
<td>PSY 170* or 177*</td>
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<td>BIO 092/094* or PSY 194*</td>
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<td>BIO 100* or PSY 040* or elective</td>
<td>4</td>
<td>BIO 146*</td>
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<td>PSY 001</td>
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See next page for prerequisite list
Prerequisites for major requirements/electives

**BIO 11** prerequisites: BIO 12, CHEM 003A
**BIO 15** BIO 012. Corequisite: BIO 011.
**BIO 100** prerequisites: BIO 011, 012, 015
**BIO 117, 121, 145, 153, 163** prerequisites: BIO 011, 012, 013, 014, and 015; or BIO 11, 12 and NEUR 001 and 002
**BIO 142** prerequisites: BIO 11, BIO 12, NEUR 001
**BIO 146** prerequisites: Prerequisites: BIO 011, 012, 013, 014 and 089; or BIO 011, 012, NEUR 001 and 002.
**BIO 93/94** prerequisites: 3.4 or better overall GPA, 3.5 or better GPA in Biology coursework; BIO 011, 012, 013, 014, 015 and permission of instructor

**NEUR 001** prerequisites: BIO 11, BIO 12, PSY 001
**NEUR 002** prerequisites: BIO 11, BIO 12, PSY 001, NEUR 002

**PSY 166, 170, or 177** prerequisite: PSY 001
**PSY 040** prerequisites: PSY 001 and MATH 040 or higher
**PSY 141** Prerequisite: PSY 040
**PSY 194** prerequisites: PSY 141 and either PSY 166, 170, or 177

**CHEM 004 A & B** prerequisites: CHEM 003A

**PHYS 002A** prerequisite: PHYS 001A
**PHYS 011A** prerequisite: MATH 071
**PHYS 012A** prerequisites: PHYS 011A and MATH 071